

1. A method for guiding a medical instrument to a target site within a patient, comprising:
  - capturing at least one ultrasound image from the patient;
  - identifying a spatial feature indication of a patient target site on the ultrasound image,
  - determining coordinates of the patient target site spatial feature in a reference coordinate system,
  - determining a position of the instrument in the reference coordinate system,
  - creating a view field from a predetermined position, and optionally orientation, relative to the instrument in the reference coordinate system, and
  - projecting onto the view field an indicia, area or an object representing the spatial feature of the target site corresponding to the predetermined position, and optionally orientation.
2. The method of claim 1, wherein said medical instrument is a source of video and the view field projected onto the display device is the image seen by the video source.
3. The method of claim 1, wherein the view field projected onto the display device is that seen from the tip-end position and orientation of the medical instrument having a defined field of view.
4. The method of claim 1, wherein the view field projected onto the display device seen from a position along the axis of instrument different from the target seen at a tip-end position of the medical instrument.